



PHELPS ENGINEERING, INC.

79 Court Street, P.O. Box 367
Middlebury, VT 05753
www.phelpseng.com



98005.05

March 25, 2015

Mr. Jaron Borg
River Management Engineer
Agency of Natural Resources
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Subject: Fucile Field Land Slide Repair, Middlebury, Vermont
Stream Alteration Permit Application

Dear Jaron:

Enclosed is an Agency of Natural Resources Stream Alteration Permit application for the Fucile Field Landslide Repair Project in Middlebury, Vermont. The following attachments are included to support this application:

- Project Location Map (Figure 1),
- Streambank Stabilization Impact Exhibit (Figure 2),
- Cross Section and Estimate of Soil Volume (Figure 3),
- Preliminary Site Plan, and
- An Abutters List.

Please note that the Middlebury Union High School is an exempt municipality from the application fee. We are also concurrently preparing a Department of the Army Permit through the U.S. Army Corps of Engineers and a local zoning permit with the Town of Middlebury.

Please call if you have any questions during your review of this application.

Sincerely,

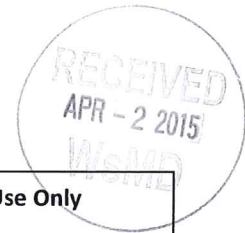
Brandon Streicher
Manager of Construction Services

BS:hp/Enclosures

c: Bruce MacIntire
Dan Werner
Tom Corbin

VERMONT AGENCY OF NATURAL RESOURCES
STREAM ALTERATION INDIVIDUAL PERMIT APPLICATION

10 VSA, CHAPTER 41, SUBCHAPTER 2



Agency Use Only	
Project #	_____
Receipt Date	_____

Applicant Name Middlebury Union High School, District No. 3 (c/o Bruce MacIntire)

Mailing Address 73 Charles Avenue

Middlebury, VT 05753

Phone (802) 382-1198

Cell _____

Email bmacintire@addisoncentralsu.org

Project Location: Town Middlebury

Stream Otter Creek

Lat 44°000754

Nearby town highway or state route Creek Road

****ATTACH MAP****

Long -73°161382

Project Description:

Magnitude (length, volume, etc.) 120 feet of streambank restoration and stabilization, including the installation of Type IV rip-rap above and below the ordinary high water (OHW) line.

Purpose Stabilize a streambank slide that occurred in the fall of 2014.

Construction Procedure Excavate and remove unsuitable (unstable) soil. Install Type IV rip-rap from beneath channel bottom to 3 feet above OHW line on streambank. All other disturbed slopes shall receive dogwood or willow shrub cuttings.

Erosion/Sediment/Water Control Procedure Rip-rap to be placed on the streambank to prevent further erosion. Erosion control matting and planting plugs to be installed on disturbed slopes to be vegetated. Stockpile area to be temporarily stabilized with mulch and enclosed with silt sleeve.

ATTACH 2 COPIES : layout plan, typical or surveyed cross sections, stream profile and pertinent hydraulic or hydrologic information

Consultant/Project Supervisor Brandon Streicher

Phone (802) 388-7829

Email bstreicher@phelpsen.com

Duration of in-stream construction (anticipated) Two weeks

Name and addresses of landowners and/or abutters adjacent to or across the stream from the project: Signatures are necessary if you intend to work on adjacent property or if the project will directly affect the property of others. Attach extra sheet, if needed.

Name See attached list.

Address _____

Name _____

Address _____

Name _____

Address _____

****APPLICANT MUST FILE COPY OF THIS APPLICATION WITH TOWN CLERK AND ADJOINERS****

CERTIFICATION: I hereby certify that the information on this application is, to the best of my knowledge, true and accurate and that I have forwarded a copy of this application to the selectboard and town clerk of the town in which this project is to occur and to each landowner adjoining or across the stream from the project area as required in the Vermont Stream Alteration Rule. **I recognize that by signing this application I am giving consent to employees of the State to enter the subject property for the purpose of processing this application and for ensuring the compliance with subsequent agency decisions relating to the project.**

Print Full Name Bruce MacIntire for Middlebury Union High School, District No. 3

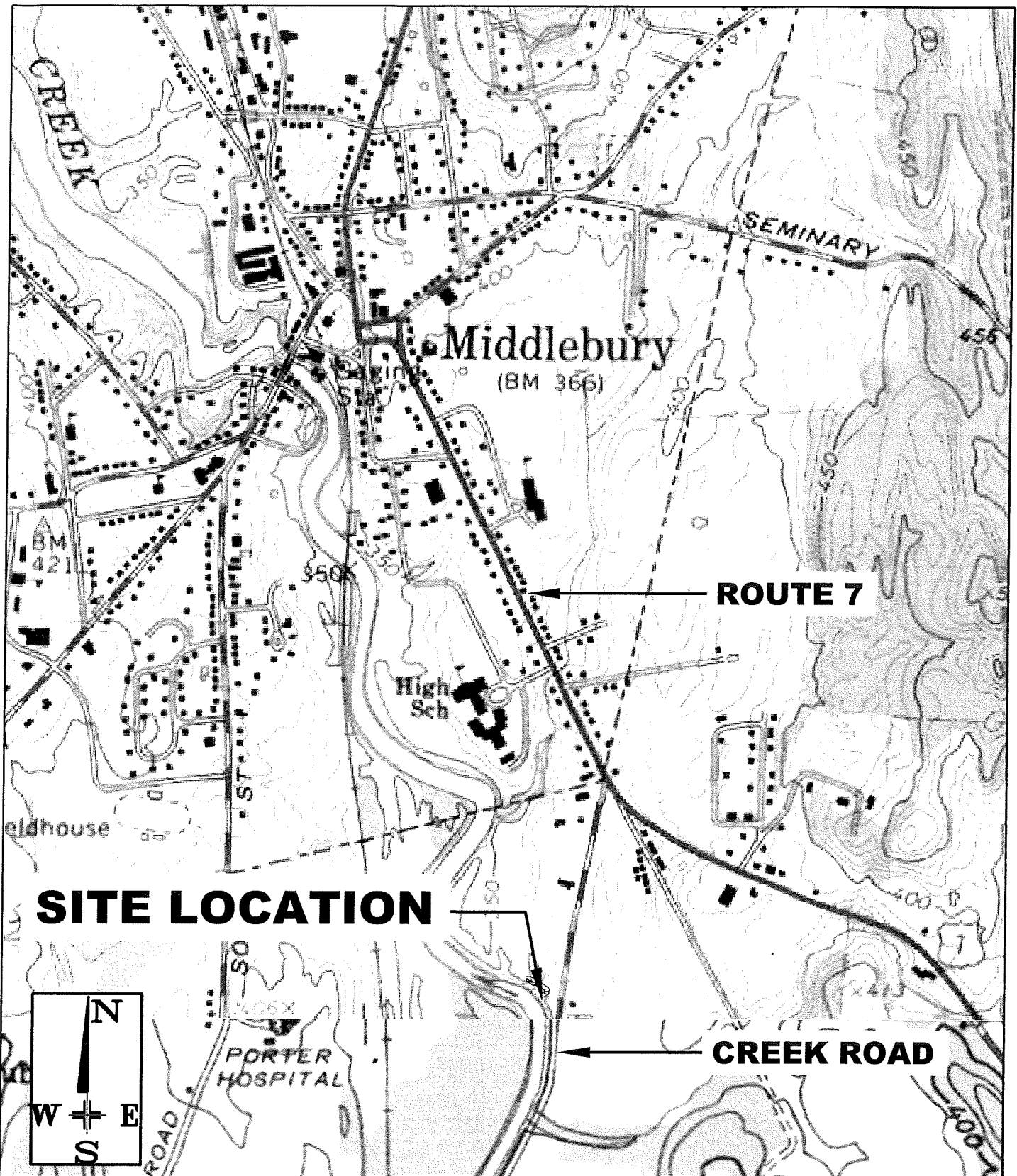
Signature of Applicant

Date

3-30-2015

NOTE: A PERMIT MAY BE REQUIRED FROM THE US ARMY CORPS OF ENGINEERS. For information contact:
US Army Corps of Engineers, VT Project Office, 8 Carmichael Street Suite 205, Essex Jct VT 05452 802-872-2893

ENCLOSE \$225.00 APPLICATION FEE PAYABLE BY CHECK OR MONEY ORDER TO THE "STATE OF VERMONT"
MUNICIPALITIES ARE EXEMPT FROM FEE



SITE LOCATION


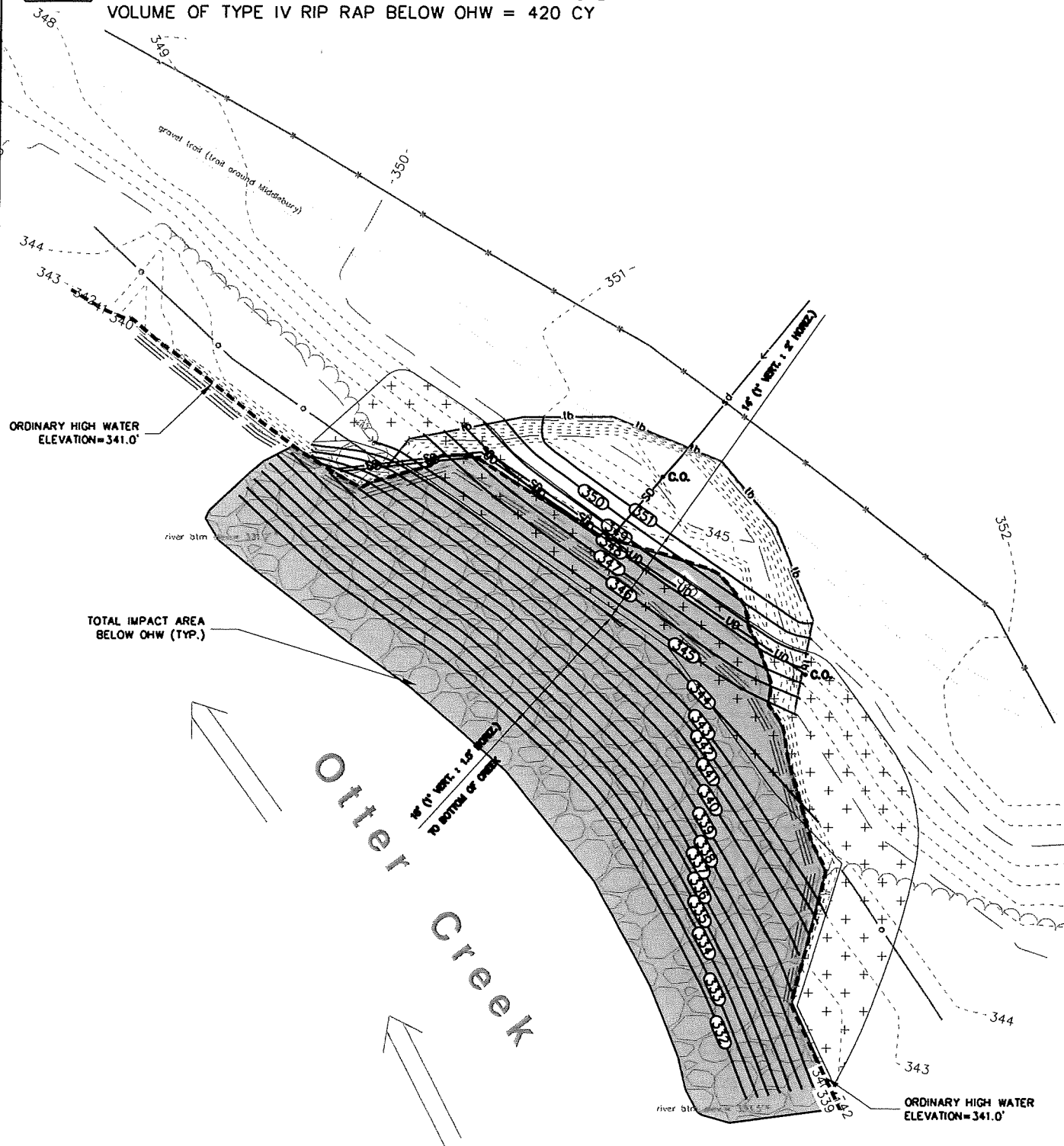
	PHELPS ENGINEERING, INC. 79 Court St., P.O. Box 367, Middlebury, Vt. 05753 www.phelpsend.com Fax (802) 388-9642 Tele. (802) 388-7829
TITLE: FUCILE FIELD RIVER BANK SLIDE LOCATION MAP	
SPEC./REF.: MIDDLEBURY UNION HIGH SCHOOL, MIDDLEBURY, VERMONT	
SCALE: 1" = 1000'	DATE: 3-16-15 PROJECT: 98005.05

FIG.

1

IMPACT AREA BELOW OHW:
 TOTAL AREA OF IMPACT BELOW OHW = 3320 SF
 LINEAR FEET OF STREAM BANK RESTORATION = 115 LF
 VOLUME OF TYPE IV RIP RAP BELOW OHW = 420 CY



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TITLE: STREAMBANK STABILIZATION IMPACT EXHIBIT

SPEC./REF.: MIDDLEBURY UNION HIGH SCHOOL, MIDDLEBURY, VERMONT

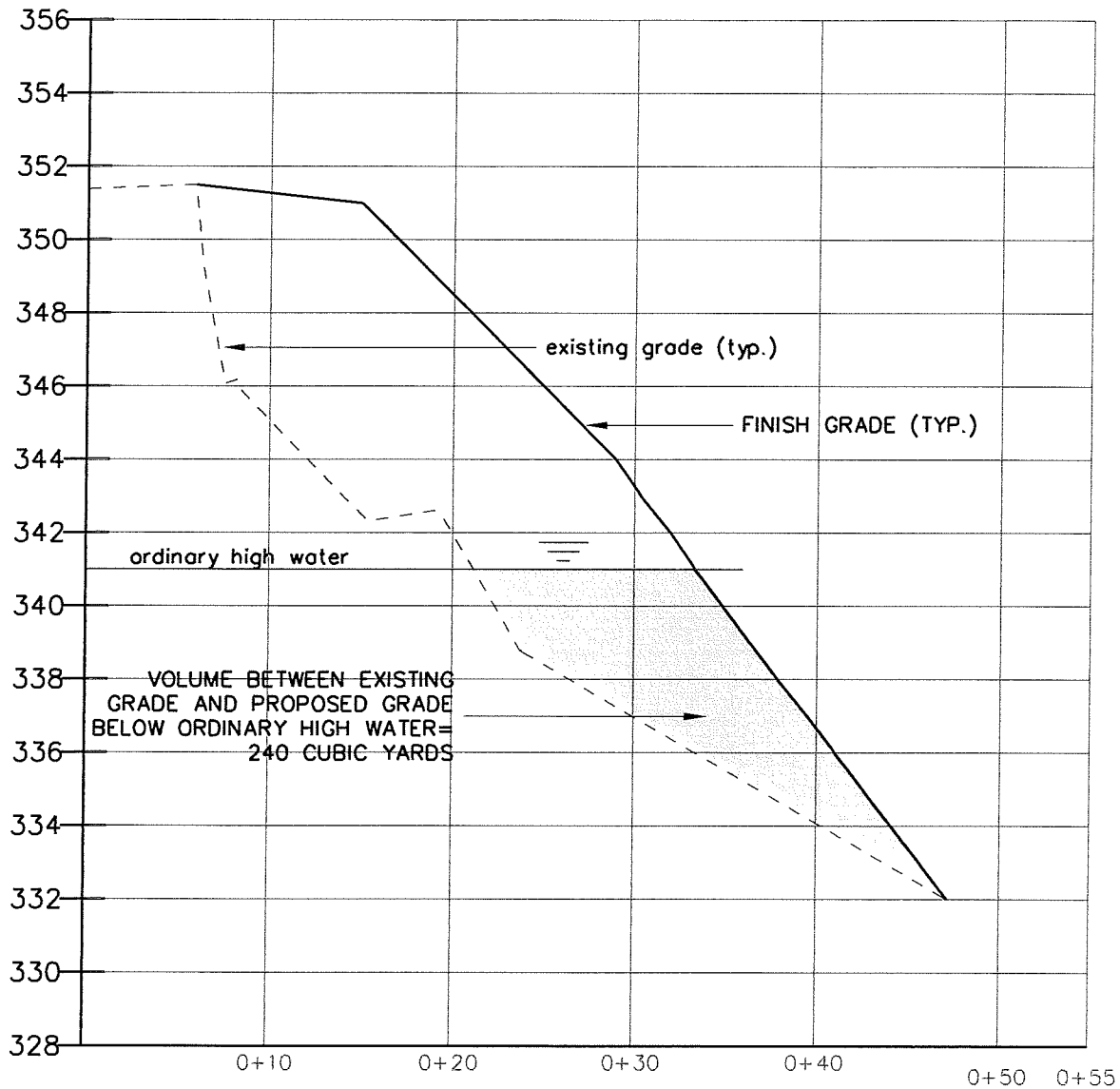
SCALE: 1" : 20'

DATE: 3-24-15

PROJECT: 98005.05

FIG.

2



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FIG.

TITLE: FUCILE FIELD RIVER BANK SLIDE CROSS SECTION

SPEC./REF.: MIDDLEBURY UNION HIGH SCHOOL, MIDDLEBURY, VERMONT

SCALE: H=1"=10', V=1"=5'

DATE: 3-16-15

PROJECT: 98005.05

3

**MIDDLEBURY UNION HIGH SCHOOL
FUCILE FIELD LAND SLIDE REPAIR
ABUTTERS LIST
MARCH 25, 2015**

007009.000

Middlebury South Village, LLC
3613 Maple Street
Vergennes, VT 05491

007227.000

New England Associates, LLC
10 Shepards Lane
North Hampton, NH 03862

007228.000

Matthew W. Horne
227 Creek Road
Middlebury, VT 05753

007229.000

Matthew C. Stone
247 Creek Road
Middlebury, VT 05753

007012.000

STATE OF VERMONT

028002.000

Leonard Knappmiller
P.O. Box 136
Rutland Center, VT 05736